

2008

College of Osteopathic Medicine Biomedical Informatics Overview

Nova Southeastern University

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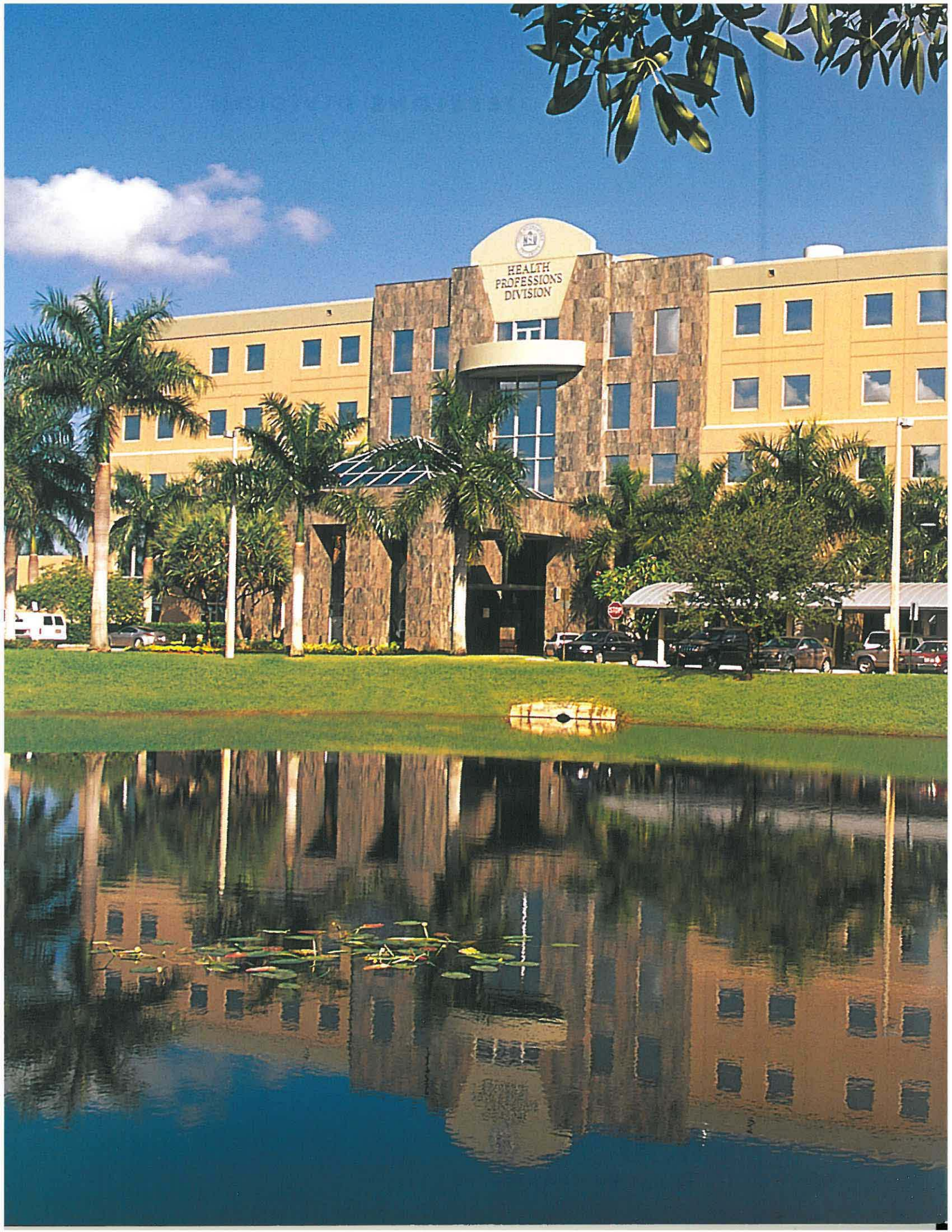
college of osteopathic medicine

OSTEOPATHIC MEDICINE • PUBLIC HEALTH • BIOMEDICAL INFORMATICS

HEALTH PROFESSIONS DIVISION

2008





nova southeastern university

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NSU MISSION STATEMENT

Nova Southeastern University is a dynamic, not-for-profit independent institution dedicated to providing high-quality educational programs of distinction from preschool through the professional and doctoral levels, as well as service to the community. Nova Southeastern University prepares students for lifelong learning and leadership roles in business and the professions. It offers academic programs at times convenient to students, employing innovative delivery systems and rich learning resources on campus and at distant sites. The university fosters inquiry, research, and creative professional activity by uniting faculty and students in acquiring and applying knowledge in clinical, community, and professional settings.

Nova Southeastern University, synonymous with dynamic innovation and intellectual challenge, is the largest independent not-for-profit university in the Southeast, and with an enrollment of more than 26,000 students, is the **sixth largest** in the United States. Situated on a beautiful, 300-acre campus in Fort Lauderdale, Florida, the university is experiencing a sustained period of academic growth, fiscal strength, and commitment to the challenges of the 21st century.

In this environment of expansion and stability, the university is capitalizing on its strengths in such areas as academic innovation, comprehensive clinical training, and flexible educational delivery systems.

Founded in 1964 as Nova University, the institution merged with Southeastern University of the Health Sciences in 1994, creating Nova Southeastern University. To date, the institution has approximately **90,000 alumni**. Fully accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, the university awards associate's, bachelor's, master's, educational specialist, and doctoral degrees in a wide range of fields including the health professions, law, business, marine sciences, psychology, social sciences, computer and information sciences, and education.

The university's programs are administered through **15 academic centers** that offer courses at the main campus and at field-based locations throughout Florida; across the nation; and at selected international sites in Europe, Canada, the Pacific Rim, Central and South America, and the Caribbean.

With a budget of more than \$220 million per year and an upward trend in enrollment, the university will continue to maintain a solid record of academic and fiscal strength and excellence in teaching and community service, while expanding its mission in research and scholarship.

health professions division

As a student in the Health Professions Division of Nova Southeastern University, you can anticipate a remarkable experience. You will train, study, interact, and share faculty and resources (either campus-based or online) with students from various backgrounds and disciplines. This interdisciplinary approach distinguishes the Health Professions Division as unique and will better prepare you to master your discipline with a sensitivity and understanding of the entire health care system.

The Health Professions Division, with a student body of more than 2,500, is home to six colleges. The College of Osteopathic Medicine, the first one in the southeastern United States, grants the doctor of osteopathic medicine (D.O.) degree. The College of Osteopathic Medicine also awards the master of public health (M.P.H.) and the master of science in biomedical informatics (M.S.BI) degrees. The College of Pharmacy offers the doctor of pharmacy (Pharm.D.) degree to entry-level, international, and postbaccalaureate students. The College of Optometry is the only institution in the state of Florida that awards the doctor of optometry (O.D.) degree as well as the master in clinical vision research (M.S.). The College of Allied Health and Nursing offers an entry-level bachelor of science degree in nursing (B.S.N.), as well as an R.N. to B.S.N. program, a master of science in nursing (M.S.N.) degree, and a post-M.S.N. certificate. The college offers a physician assistant program that awards the master of medical science in physician assistant (M.M.S.) degree and a master of occupational therapy (M.O.T.) degree, as well as the entry-level doctor of physical therapy (D.P.T.) degree. Doctoral programs are offered in occupational therapy (Ph.D./O.T., Dr.OT), physical therapy (Ph.D./P.T., D.P.T.), and audiology (Au.D.). In addition to these programs, the College of Allied Health and Nursing offers the bachelor of health science (B.H.Sc.), master of health science (M.H.Sc.), and doctor of health science (D.H.Sc.) degrees—open to midlevel clinicians and allied health professionals. There are also courses of study in bachelor of health science—vascular sonography and master of health science—anesthesiologist assistant. The College of Medical Sciences grants the master of biomedical sciences (M.B.S.) degree. In the fall of 1997, the College of Dental Medicine admitted its charter class into the doctor of dental medicine (D.M.D.) program. Now, the college also offers a master of science in dentistry (M.Sc.D.) degree, as well as postgraduate programs in endodontics, oral surgery, orthodontics, pediatric dentistry, periodontics, and prosthodontics.

The Health Professions Division occupies a \$70-million complex, covering 21 acres of the university campus. The division includes eight buildings totaling more than 900,000 square feet of space for classrooms, laboratories, offices, the Health Professions Division Library, an outpatient health center, and a pharmaceutical care center. The adjacent 1,500-vehicle parking garage overlooks the Miami Dolphins Training Camp.

letter from the chancellor



If you wish to be a leader in the health professions, Nova Southeastern University can help you reach your potential.

In less than two decades, NSU's Health Professions Division has developed into a multidisciplinary academic health center of international stature. Composed of the

Colleges of Osteopathic Medicine, Pharmacy, Dental Medicine, Optometry, Allied Health and Nursing, and Medical Sciences, the Health Professions Division has redoubled its commitment to academic excellence, innovation, and community service, while expanding its mission in research and scholarship. Working together, our distinguished faculty members prepare students for an exciting career on tomorrow's dynamic health care team.

A handwritten signature in black ink, reading "Fred Lippman". The signature is written in a cursive, flowing style.

Fred Lippman, R.Ph., Ed.D.
Chancellor

college of osteopathic medicine

DEGREES:

**DOCTOR OF
OSTEOPATHIC MEDICINE**

MASTER OF PUBLIC HEALTH

**MASTER OF SCIENCE
IN BIOMEDICAL INFORMATICS**

If you are considering a career as a doctor of osteopathic medicine, enormous opportunities to practice modern medicine await you. For the osteopathic physician, a patient is much more than a presenting symptom. Each person is a complete human being to be evaluated with consideration to his or her entire background.

The osteopathic model is comprehensive and holistic and demands that its practitioners possess both humanitarian and intellectual qualities. It encourages a broad educational background in both the sciences and the humanities.

Two types of physicians are licensed to practice medicine in all 50 states: the doctor of osteopathic medicine (D.O.) and the doctor of medicine (M.D.). While both types of physicians are trained in all aspects of patient care, D.O.s offer a distinctly holistic approach to medicine.

Osteopathic medicine is a profession that recognizes the relationship between physical structure (musculoskeletal) and organic function. Osteopathic physicians view the human body as an interdependent unit rather than an assortment of separate parts and systems. Osteopathic medicine is distinguished by

- an emphasis on primary care
- use of osteopathic manipulative medicine when indicated
- a tradition of caring for patients in underserved rural and urban areas

While all medical, surgical, and obstetric specialties are represented within our profession, the training of vitally needed family physicians and the drive to reach rural, minority, geriatric, and indigent populations make our program unique.

A dynamic career awaits committed individuals. We invite your inquiries.

FAST FACTS

In September 2005, NSU-COM's Center for Bioterrorism and All-Hazards Preparedness took another step toward statewide preeminence when it received two U.S. Health Resources and Services Administration (HRSA) grants. The grants, totaling \$4.8 million, target interdisciplinary bioterrorism preparedness curriculum development and continuing education.

The Federal Bureau of Prisons and the Florida Department of Corrections are providing approximately \$700,000 in funding for the college's new postdoctoral, postresidency Correctional Medicine Physician Fellowship Program, which officially commenced in July 2006.

The College of Osteopathic Medicine offers students invaluable opportunities to participate in humanitarian missions and work with underserved populations in Ecuador, Guatemala, and Jamaica.

letter from the dean



For students pursuing their education at Nova Southeastern University College of Osteopathic Medicine (NSU-COM), the matriculation experience has proven to be both challenging and rewarding.

By combining the most contemporary teaching modalities with the newest technology, our students are assured of obtaining the most comprehensive education possible.

However, while providing a cutting-edge curriculum is important in today's ever-changing landscape, one of the keys to our success is best illustrated by the dedicated faculty members who impart that education to the students. We have a diverse faculty. Our faculty members have many backgrounds, different degrees, various specialties, and wide-ranging educational experiences. Rather than being a detriment, these differences have instead produced a robust educational engine that is driving the college in a very beneficial way—a fact that is reflected in our students' productivity academically, personally, and professionally.

Leading by example and serving as mentors; that is how the NSU-COM faculty brings out the best in our students. This is amply demonstrated by our faculty's caring, compassion, and willingness to devote copious amounts of time to various community activities, as well as local and international medical missions. The faculty's positive impact on our student body is also evidenced by the high level of esteem our students are receiving from outside institutions. As NSU-COM dean, it is deeply gratifying to see how desired our students are by various institutions and programs, and how they are being actively recruited for clinical positions, postgraduate residency programs, and the community at large.

I truly believe that faculty participation at all levels of academia and the opportunity for faculty to analyze, dissect, and recommend all aspects of our students' education is what's responsible for the implementation of so many educational innovations that have helped boost the college's academic reputation. Thanks to the synergistic energy of our students, faculty members, and staff members of all our programs, the pursuit of excellence has become a daily reality at NSU-COM.

A handwritten signature in black ink that reads "Anthony J. Silvagni, D.O." The signature is fluid and cursive.

Anthony J. Silvagni, D.O., M.Sc., Pharm.D., FACOFFP

Dean, College of Osteopathic Medicine

doctor of osteopathic medicine

COURSE OF STUDY

The doctor of osteopathic medicine (D.O.) is a professional degree that requires four years of professional study. Our innovative curriculum is designed to fulfill our mission of training physicians with an emphasis in primary care. Its design is based on successful academic models, which are carefully developed and integrated.

The unique curriculum provides academic and clinical training that prepares students for the real world of medicine. It will make you more competitive for post-doctoral training positions and more attractive to those interviewing candidates for those positions.

A notable aspect of our clinical training program is a three-month clinical rotation at a rural setting where many residents have little access to health care. You will learn to treat various cultural and ethnic groups whose lifestyles and attitudes toward health care differ from those you will see in more traditional training sites. It is an enriching educational experience.





The college receives more than 2,000 applications a year, from which only 230 students are chosen. These students have varied backgrounds, and while many enter the college directly from an undergraduate program, other students come from successful careers. Entering students have included pharmacists, physician assistants, nurses, teachers, pilots, and engineers.

The Committee on Admissions recommends applicants to the dean on the basis of demonstrated academic excellence, leadership, compassion, and commitment to the osteopathic medical profession.

ACCREDITATION AND NONDISCRIMINATION

Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate's, bachelor's, master's, educational specialist, and doctoral degrees. ■ Consistent with all federal and state laws, rules, regulations, and/or local ordinances (e.g., Title VII, Title VI, Title III, Title II, Rehab Act, ADA, and Title IX), it is the policy of Nova Southeastern University not to engage in any discrimination or harassment against any individuals because of race, color, religion or creed, sex, pregnancy status, national or ethnic origin, nondisqualifying disability, age, ancestry, marital status, sexual orientation, unfavorable discharge from the military, veteran status, or political beliefs or affiliations, and to comply with all federal and state nondiscrimination, equal opportunity, and affirmative action laws, orders, and regulations.

This nondiscrimination policy applies to admissions; enrollment; scholarships; loan programs; athletics; employment; and access to, participation in, and treatment in all university centers, programs, and activities. NSU admits students of any race, color, religion or creed, sex, pregnancy status, national or ethnic origin, nondisqualifying disability, age, ancestry, marital status, sexual orientation, unfavorable discharge from the military, veteran status, or political beliefs or affiliations, to all the rights, privileges, programs, and activities generally accorded or made available to students at NSU, and does not discriminate in the administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other school-administered programs.

The Master of Public Health Program is accredited by the Council on Education for Public Health (CEPH), www.ceph.org.

curriculum outline

first year

FIRST SEMESTER CORE COURSES

Medical Histology
Gross Anatomy
Medical Biochemistry I
Basic Life Support
Clinical Practicum I
IGC Preceptorship I
Ethnocultural Medicine
O P and P I
Medical Physiology I

ELECTIVE COURSES

Community Service I
Preclinical Preceptorship I
Research I
Guided Study I

SECOND SEMESTER CORE COURSES

Neuroanatomy
Medical Biochemistry II
IGC Preceptorship II
Clinical Practicum II
Principles of Radiology
Medical Microbiology
O P and P II
Medical Physiology II
Preventive Medicine and Public
Health Preparedness
Tobacco Cessation

ELECTIVE COURSES

Community Service II
Research II
Preclinical Preceptorship II
Guided Study II

IGC—Interdisciplinary Generalist Curriculum
O P and P—Osteopathic Principles and Practice

second year

FIRST SEMESTER CORE COURSES

End of Life Seminar
HIV Seminar
Clinical Medicine I
Hematopoietic and
Lymphoreticular System
Reproductive System
Cardiovascular System
Respiratory System
Endocrine System
IGC Preceptorship III
Integumentary System
Introduction to Complementary and
Alternative Medicine
Clinical Procedures I
O P and P III
Principles of Pharmacology
Psychiatry and Behavioral Medicine
Principles of Pathology
Anesthesiology

ELECTIVE COURSES

Community Service III
Research III
Guided Study III
Preclinical Preceptorship III

SECOND SEMESTER CORE COURSES

Medical Jurisprudence
Advanced Cardiac Life Support
Ped. Advanced Cardiac Life Support
Nervous System
Medical Ethics
Clinical Medicine II
Clinical Procedures II
Musculoskeletal System
Gastrointestinal System
IGC Preceptorship IV
Renal/Urinary System
Preclerkship Seminar
O P and P IV

ELECTIVE COURSES

Guided Study IV
Research IV
Integration of Biomedical and
Clinical Science
Preclinical Preceptorship IV
Community Service IV

third year

DIDACTIC COURSES

Geriatrics
Infectious Disease

CORE CLINICAL ROTATIONS

Psychiatry
Geriatrics
Family Medicine I
Family Medicine II
Internal Medicine I
Internal Medicine II
Internal Medicine III
Obstetrics/Gynecology
Pediatrics—Ambulatory
Pediatrics—Hospital
General Surgery I
General Surgery II

fourth year

CORE CLINICAL ROTATIONS

Emergency Medicine
Rural Medicine I
Rural Medicine II
Rural Selective III

ELECTIVE CLINICAL ROTATIONS

Addiction Medicine
General Psychiatry
Board Review
Emergency Medicine
Geriatrics
Family Medicine
Osteopathic Manipulation Medicine

Osteopathic Principles and Practice
Fellowship I
Rural Medicine
International Health I
Integration of Clinical Services
International Health II
General Internal Medicine
The Cardiac Patient Simulator—
“Harvey”
Medical Intensive Care
Internal Medicine/Managed Care
Cardiology
Dermatology
Endocrinology
Gastroenterology
Hematology/Oncology
Infectious Diseases
Nuclear Medicine
Nephrology
Neurology
Rheumatology
Radiology
Obstetrics/Gynecology
Pain Management
General Pediatrics
Neonatology
Pediatric Subspecialty
Pediatric Emergency Medicine
Pediatric Infectious Diseases
Adolescent Medicine
Pediatric Intensive Care
Pediatric Sub-internship
Public Health
Clinical Pathology
Forensic Pathology
Anesthesiology
Cardiovascular Surgery
General Surgery
Surgical Intensive Care
Neurosurgery
Ophthalmology
Orthopedics
Proctology
Plastic/Reconstructive Surgery
Thoracic Surgery
Urology



Applicants for admission to the first-year class must meet the following requirements prior to matriculation:

1. have a bachelor's degree from a regionally accredited college or university (A minimum of 90 semester hours of acceptable work from an accredited institution may be considered for admission.)
2. have successfully completed
 - a. eight semester hours of each of the following:
 - General biology (including laboratory)
 - General chemistry (including laboratory)
 - Organic chemistry (including laboratory)
 - Physics (including laboratory)
 - b. three semester hours of each of the following:
 - English literature
 - English composition
3. have taken the Medical College Admission Test (MCAT)

These are the minimum academic requirements for admission. Students are encouraged to take additional courses such as embryology, genetics, behavioral sciences, and the humanities.

Preference will be given to students with a cumulative GPA of 3.0 or higher (on a 4.0 scale). However, the dean is empowered to evaluate the total qualifications of every student and to modify requirements in unusual circumstances.

Applications for the MCAT may be obtained online at www.aamc.org, from the college's preprofessional adviser's office, by calling (319) 337-1357, or by writing directly to

Medical College Admission Test
Program Office
2255 North Dubuque Road
P.O. Box 4056
Iowa City, Iowa 52243-4056

MCAT must have been taken, and scores received, no more than three years prior to the application cycle. This examination, offered twice a year, usually in August and April, evaluates the applicant's knowledge of biology, general chemistry, organic chemistry, reading comprehension, and quantitative reasoning. We strongly recommend that the examination be taken in the spring of the junior year, so that if applicants feel that the test scores are unsatisfactory, they may retake the examination in the fall of the senior year. Only the best set of test scores will be considered.

admission requirements

application procedures

PRIMARY APPLICATION PROCESS

The college participates in the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS) for the receipt and processing of all applications. AACOMAS takes no part in the selection of students.

Applicants may submit applications electronically through AACOMAS Online, an interactive Web-based application that can be accessed through www.aacom.org. Applicants choosing to submit a paper application may contact AACOMAS directly for an application packet at

AACOMAS
5550 Friendship Boulevard, Suite 310
Chevy Chase, Maryland 20815-7231
(301) 968-4190

Listed below are the necessary steps to complete the primary application process.

The applicant should submit the following materials to AACOMAS:

- completed AACOMAS application
- an official transcript from the registrars of all colleges and universities attended. This must be mailed directly to AACOMAS by the college or university.
- MCAT scores (must be no more than three years old)

The AACOMAS application process may take four to six weeks. The deadline for submitting an AACOMAS application for NSU-COM is January 15.

SECONDARY APPLICATION PROCESS

Nova Southeastern University requires the completion of a secondary application. Upon receipt of the AACOMAS application, NSU-COM will forward an online secondary application to the student.

Listed in the following column are the necessary steps to complete the secondary application process.

The applicant should submit the following materials to Nova Southeastern University:

- a completed secondary application
- a nonrefundable application fee of \$50
- a letter of evaluation from the preprofessional committee, or if such a committee does not exist, three letters of evaluation are necessary (two from science professors and one from a liberal arts professor)
- a letter of evaluation from an osteopathic physician

The deadline date for submitting the secondary application for NSU-COM is March 1. It should be sent to

NOVA SOUTHEASTERN UNIVERSITY

Enrollment Processing Services (EPS)

College of Osteopathic Medicine

Office of Admissions

3301 College Avenue

P.O. Box 299000

Fort Lauderdale, Florida 33329-9905

INTERVIEW PROCESS

A personal interview is a part of the admission process. However, being interviewed is not a guarantee of admission. Upon completion of the applicant's file, a review will be made to determine if the candidate will be granted an interview. Not all applicants will be granted an interview, and only those applicants whose files are complete will be considered. The Office of Admissions will notify selected candidates of the date and time of the interview.

NOTICE OF ACCEPTANCE

Notice of acceptance will be on a rolling or periodic schedule. Early completion of the application process is in the best interest of the student.



transfer students

Circumstances may warrant that a student enrolled in an osteopathic college seeks to transfer to another institution. Credits may be transferred from medical schools and colleges accredited by the American Osteopathic Association or by the Liaison Committee on Medical Education (LCME) or from other professional schools if, in the opinion of the dean, these schools have provided coursework comparable to that of the NSU College of Osteopathic Medicine.

1. Transfers from a college of osteopathic medicine to another shall require that the last two years of instruction be completed within the college granting the D.O. degree.
2. Transfers from an LCME-accredited medical school or college shall require that no less than the last 50 percent of instruction be completed within the College of Osteopathic Medicine.
3. Transfer credits shall be given only if the student is in good academic standing in the previously attended college of osteopathic medicine or other medical school.
4. Credit is only given for completed courses with grades of 70 percent (C) or greater.

Anyone wishing to transfer to NSU College of Osteopathic Medicine must meet the following criteria:

1. complete a formal application to Nova Southeastern University College of Osteopathic Medicine Office of Admissions
2. satisfy all admission requirements to NSU College of Osteopathic Medicine, which include submitting official transcripts of all college work (including osteopathic transcripts); MCAT scores; National Board scores, if taken; and letters of evaluation
3. be in good standing at the transferring institution, as documented by a letter from the dean of the transferring institution
4. supply one letter of recommendation from a faculty member of the transferring osteopathic institution
5. supply a written statement outlining reasons for request to transfer

Decisions on transfer are made by the dean. The decision will be based on factors that include, but are not limited to, academic record, circumstances leading to the transfer request, available space, and admission standards. The College of Osteopathic Medicine will evaluate each credit and grant that which is appropriate, with total coursework and total tuition reduced appropriately.

Send application and documentation to

NOVA SOUTHEASTERN UNIVERSITY

Enrollment Processing Services (EPS)

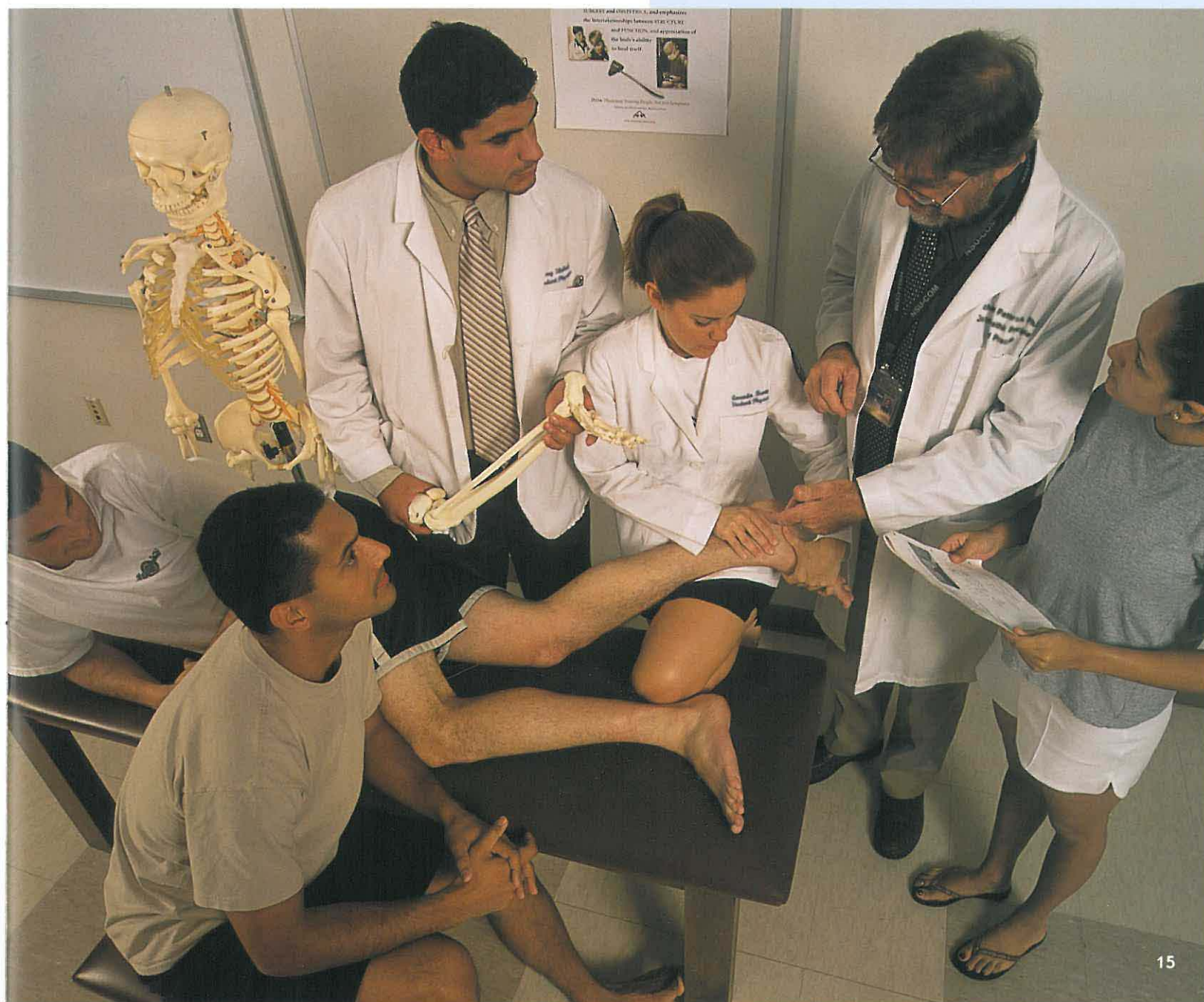
College of Osteopathic Medicine

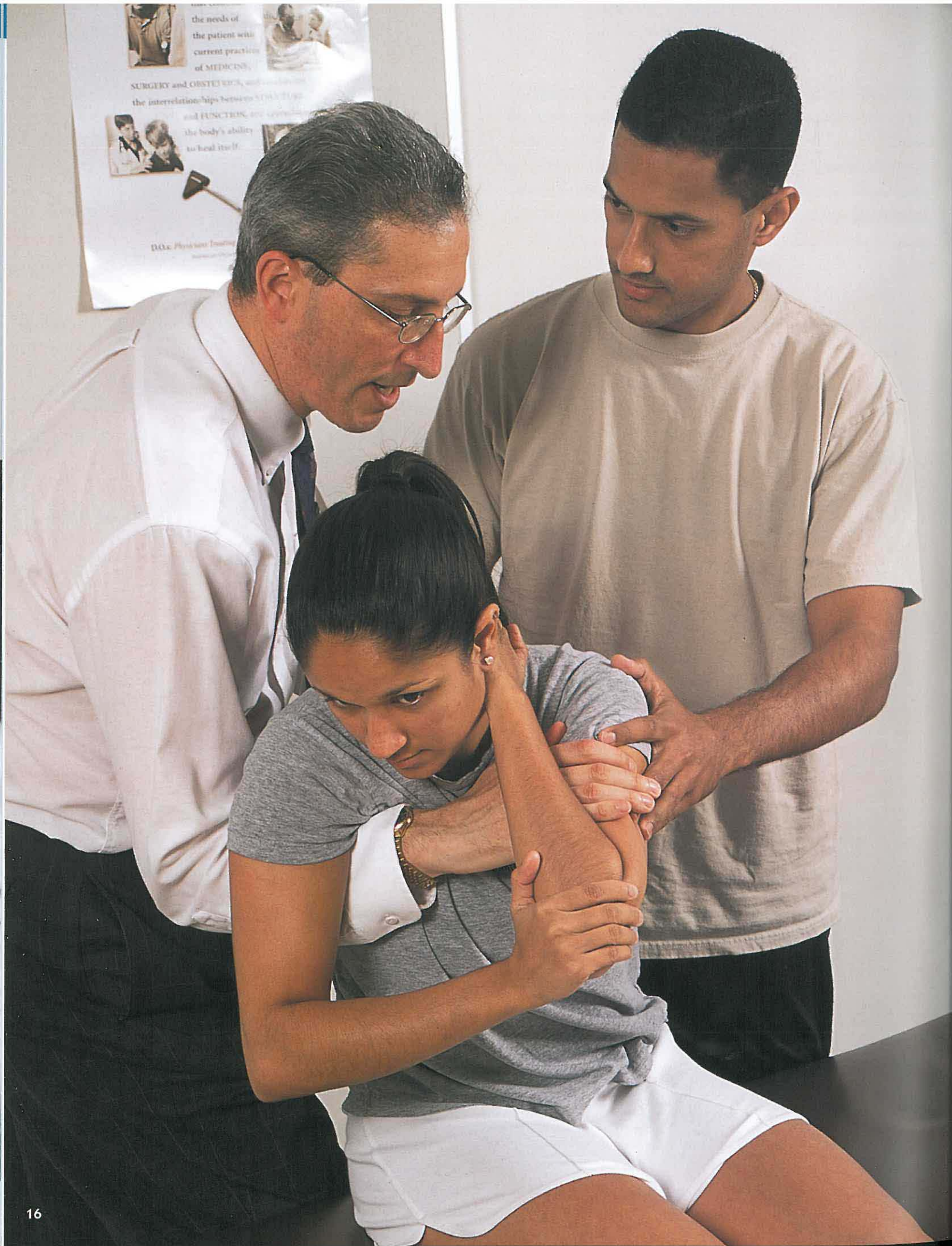
Office of Admissions

3301 College Avenue

P.O. Box 299000

Fort Lauderdale, Florida 33329-9905





The anticipated tuition for 2008–2009 (subject to change by the board of trustees without notice) is \$29,030 for Florida residents and \$35,545 for out-of-state students. A microscope/laboratory fee of \$100 is required for first-year students. A Health Professions Division student access fee of \$145 is required each year. An NSU student service fee of \$750 is also required annually.

Eligible students must request in-state tuition on the application. For tuition purposes, a student's Florida residency status (in-state or out-of-state) will be determined based on initial matriculation and will remain the same throughout the entire enrollment of the student at NSU. Accordingly, tuition will not be adjusted as a result of any change in status after initial enrollment registration.

- 1. Acceptance Fee—\$750.** This fee is required to reserve the accepted applicant's place in the entering first-year class. This advance payment will be deducted from the tuition payment due on registration day, but is nonrefundable in the event of a withdrawal. Applicants accepted prior to November 15 will have until December 14 to pay this acceptance fee. Applicants accepted between November 15 and February 16 will have 30 days, and those accepted between February 16 and April 15 will pay the combined acceptance fee and deposit of \$2,000 within 30 days after their acceptance. Anyone accepted on April 16 or later will pay the combined acceptance fee and deposit of \$2,000 within 14 days after his or her acceptance.
- 2. Deposit—\$1,250.** This advance payment is due March 15. It will be deducted from the tuition payment, but is nonrefundable in the event of a withdrawal.

The first semester's tuition and fees, less the \$2,000 previously paid, are due upon receipt of the NSU invoice. Students will be billed for each subsequent semester. Students will not be admitted until their financial obligations have been met. The financial ability of applicants to complete their training at the college is important because of the limited number of positions available in each class. Applicants should have specific plans for financing four years of professional education. This should include tuition, living expenses, books, equipment, and miscellaneous expenses.

It is required that each student carry adequate personal medical and hospital insurance. Students may avail themselves of the hospitalization insurance plan obtainable through the university.

tuition and fees

foreign coursework

Undergraduate coursework taken at a foreign institution must be evaluated for U.S. institution equivalence. Foreign coursework must be evaluated by one of the services listed below. You should contact one of the following:

World Education Services, Inc.
P.O. Box 745
Old Chelsea Station
New York, New York 10113-0745
(212) 966-6311 • www.wes.org

Josef Silny & Associates, Inc.
International Education Consultants
7101 SW 102 Avenue
Miami, Florida 33173
(305) 273-1616 • www.jsilny.com

Educational Credential Evaluators, Inc.
P.O. Box 514070
Milwaukee, Wisconsin 53203-3470
(414) 289-3400 • www.ece.org

It is the applicant's responsibility to have this coursework evaluated. An official evaluation must be sent to

Nova Southeastern University
Enrollment Processing Services (EPS)
College of Osteopathic Medicine
Office of Admissions
3301 College Avenue
P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

student housing

Numerous apartments, condominiums, and other rental facilities are located near campus. Limited on-campus housing is also available. Information concerning on- and off-campus housing may be obtained by contacting

NOVA SOUTHEASTERN UNIVERSITY
Office of Residential Life and Housing
3301 College Avenue
Fort Lauderdale, Florida 33314-7796
(954) 262-7052



master of public health
(m.p.h.) program



letter from the program director



The demand for public health professionals is increasing due to emerging and re-emerging diseases, environmental health concerns, health care reform, proliferation of agents and weapons of mass destruction, sociopolitical factors affecting the nation's health and health care systems, and the expansion of health issues that are global in scope. Professionals with the Master of Public Health (M.P.H.) degree can hold positions of responsibility in a variety of settings. These include health care facilities, county and state health departments, social service agencies, health policy and planning organizations, colleges and universities, community-based health education and health promotion centers, nonprofit volunteer organizations, government and nongovernmental health agencies, international health agencies, and the corporate

world. Those who hold the M.P.H. degree may actively participate in the planning, development, implementation, evaluation, and administration of health-related programs and services. Some students pursue further advancement in their graduate education upon completion of the M.P.H. Program.

The M.P.H. Program provides a comprehensive, graduate-level program designed to prepare students to define, critically assess, and resolve public health problems. It emphasizes acquisition of knowledge and skills for promoting health, preventing disease, developing and evaluating programs, enhancing clinical practice, conducting research, and providing community service. The M.P.H. degree is a recognized degree for leadership in health care. The curriculum enhances understanding of the biological, social, environmental, demographic, and political factors that determine the health of the individual and the population.

The instructional program encourages discussion and application of public health principles, practices, and values that use technological and audiovisual tools to enhance learning. The program is generalist in nature, and students have the opportunity, through a number of elective courses, to enhance their knowledge and skills in a variety of public health disciplines. The program is surrounded by facilities in which learning resources are abundant. Many opportunities exist to participate in field experiences at local health departments, community health centers, community service organizations, and with under-served populations.

To meet the rapidly changing needs of health service professionals, including preventive medicine specialists, the curriculum of the M.P.H. Program is structured to accommodate diversity and individual career goals. In addition, students play an active role in the M.P.H. Program, serving on committees, coordinating speakers, and participating in local health fairs and community service projects. The Health Professions Division at Nova Southeastern University promotes interdisciplinary and collaborative activities among its programs and colleges. Diverse and dedicated faculty members from several disciplines guide and facilitate student learning.

A handwritten signature in black ink, reading "Cyril Blavo". The signature is fluid and cursive, with a horizontal line underneath.

Cyril Blavo, D.O., M.S., M.P.H. and T.M., FACOP
Director, Master of Public Health Program

The M.P.H. Program offers a general Master of Public Health (M.P.H.) degree, which requires a minimum of 42 semester hours of study. This consists of 27 semester hours of required core courses including a public health field experience (6 semester hours) and a minimum of 15 semester hours of public health elective courses. Coursework may be taken on a full-time or part-time basis. M.P.H. students are required to complete their course of study within five years of matriculation. A full-time student may complete the requirements within two years or less. The M.P.H. degree may be completed on-site or online. The curriculum for the two options is identical, although the modality of instruction is different. On-site classes are offered in the evening, with each class generally scheduled one evening per week. Up to 12 credits of online courses are allowable to complete the on-site option. The online option requires a weekend on-site session at the beginning of the program and a weekend on-site capstone experience at the end of the program, prior to graduation. There are supervised elective field-based courses, projects, and research opportunities available to students.

The schedule of course offerings and other pertinent information about the program are available on the program Web site: www.nova.edu/ph.

course of study

To be eligible for the M.P.H. degree, the student must

1. satisfactorily complete, within five years of matriculation, the course of study required for the M.P.H. degree—a minimum of 42 semester hours of courses (27 hours of required core courses, including the public health field experience, and 15 hours of electives) with a grade average of 80 or higher
2. successfully pass the comprehensive examination
3. complete an exit survey
4. satisfactorily meet all financial and library obligations

graduation requirements

nondegree- seeking students

A nondegree-seeking student is one who wishes to take a course in the public health program, but does not intend to pursue the M.P.H. degree at the time of application. The nondegree-seeking student must provide the following admission requirements in order to take classes in the M.P.H. Program.

- completed application form
- official transcripts
- nonrefundable application fee of \$50
- one letter of recommendation (academic)

Undergraduate students must have a minimum cumulative GPA of 3.0, with at least 90 hours of coursework (30 hours of which are upper-level courses), with an official transcript showing this coursework.

An application for nondegree status by a student holding a bachelor's degree or higher will be considered by the admissions committee, after a review of the required records and an interview.

Nondegree-seeking students are limited to taking a maximum of 12 semester hours of public health courses. Enrollment in these courses does not guarantee acceptance into the master of public health degree-seeking program. If, after taking classes in the M.P.H. program, a nondegree-seeking student decides to pursue the M.P.H. degree, the student must submit a complete application to the program to become a degree-seeking student and must meet all the requirements for admission to the M.P.H. program. Graduate students from other NSU programs who elect to take public health courses may do so with written approval of the course director.

The university reserves the right to modify any requirements on an individual basis as deemed necessary by the dean of the College of Osteopathic Medicine.

The college reserves the right to require the student's withdrawal any time the college deems it necessary to safeguard its standards of scholarship, conduct, and compliance with the regulations, or for such other reasons as deemed appropriate. The student, by his or her act of matriculation, concedes the college this right.

The M.P.H. Program evaluates the overall quality of its applicants, including academic achievement, personal motivation, knowledge about the public health profession, health care and life experiences, and recommendations. Criteria for admissions are as follows:

- The applicant must hold a bachelor's, master's, or doctoral degree from an accredited college or university.
- A cumulative grade point average (GPA) of 3.0 or above, on a 4.0 scale, is preferred.
- Public health- or health care-related experience is desirable, but not required.
- If the applicant does not hold a health-related graduate or professional degree, he or she must supply evidence of having taken the GRE, PCAT, OAT, AHPAT, MCAT, DAT, GMAT, or LSAT. The applicant's scores from these standardized tests must be no more than five years old. Applicants with a health-related graduate or professional degree may be required to submit official test scores upon evaluation of their application.
- Applicants enrolled in another area of study within Nova Southeastern University must be in good academic standing, must provide a letter of recommendation from the dean or program director of the other college or program, and must meet the M.P.H. admission requirements.
- All application materials must be received in a timely manner to enable the Office of Admissions and the admissions committee to process the application promptly.

admission requirements

Students are provisionally admitted to a degree-seeking program based on a review of unofficial transcripts or other specific program admission requirements. However, this admission includes a condition that final and official transcripts, documents, and requirements must be received within 90 calendar days from matriculation. If these final and official transcripts, documents, and/or requirements are not received by that time, the student will not be allowed to continue class attendance. Financial aid will not be disbursed to a provisional/conditional student until he or she has been fully admitted as a regular student (all admissions requirements have been approved by the college/program admissions office). Students who have an unpaid balance 30 days from the start of the term will be assessed a \$50 fee.

application procedures

The M.P.H. Program processes applications on a year-round basis. Applicants may apply for matriculation into any one of three semesters (fall, winter, or summer), access the M.P.H. Program Web site at www.nova.edu/ph for the exact deadline and start dates. All application materials should be sent to:

NOVA SOUTHEASTERN UNIVERSITY

Enrollment Processing Services (EPS)

M.P.H. Program Admissions

3301 College Avenue

P.O. Box 299000

Fort Lauderdale, Florida 33329-9905

Applicants must provide the following:

1. a completed application, along with a \$50 nonrefundable application fee
2. official transcripts of all coursework attempted by the applicant at all colleges and universities

It is the responsibility of the applicant to ensure that arrangements are made for all transcripts to be sent. A final transcript of all the applicant's work up to the time of matriculation must be forwarded to the EPS prior to matriculation.

3. evidence of having taken the GRE, PCAT, OAT, AHPAT, MCAT, DAT, GMAT, or LSAT (if the applicant does not hold a health-related graduate or professional degree)

The applicant's scores from these standardized tests must be no more than five years old. Applicants with a health-related graduate or professional degree may be required to submit official test scores upon evaluation of their application

4. three letters of evaluation—one from a health professional and two from individuals (other than relatives) such as academic advisers, professors, coworkers, or supervisors who are familiar with the applicant's character, scholastic aptitude, and work ethic
5. copies of any professional certificates or other relevant credentials earned by the applicant

6. If applicant attended, or is a graduate of, a foreign institution, all coursework from the foreign institution must be evaluated for U.S. institutional equivalence. The official evaluation must be sent directly from the evaluation service. For evaluations, please contact one of the following services.

World Education Services

P.O. Box 745
Old Chelsea Station
New York, New York 10113-0745
(212) 966-6311 • www.wes.org

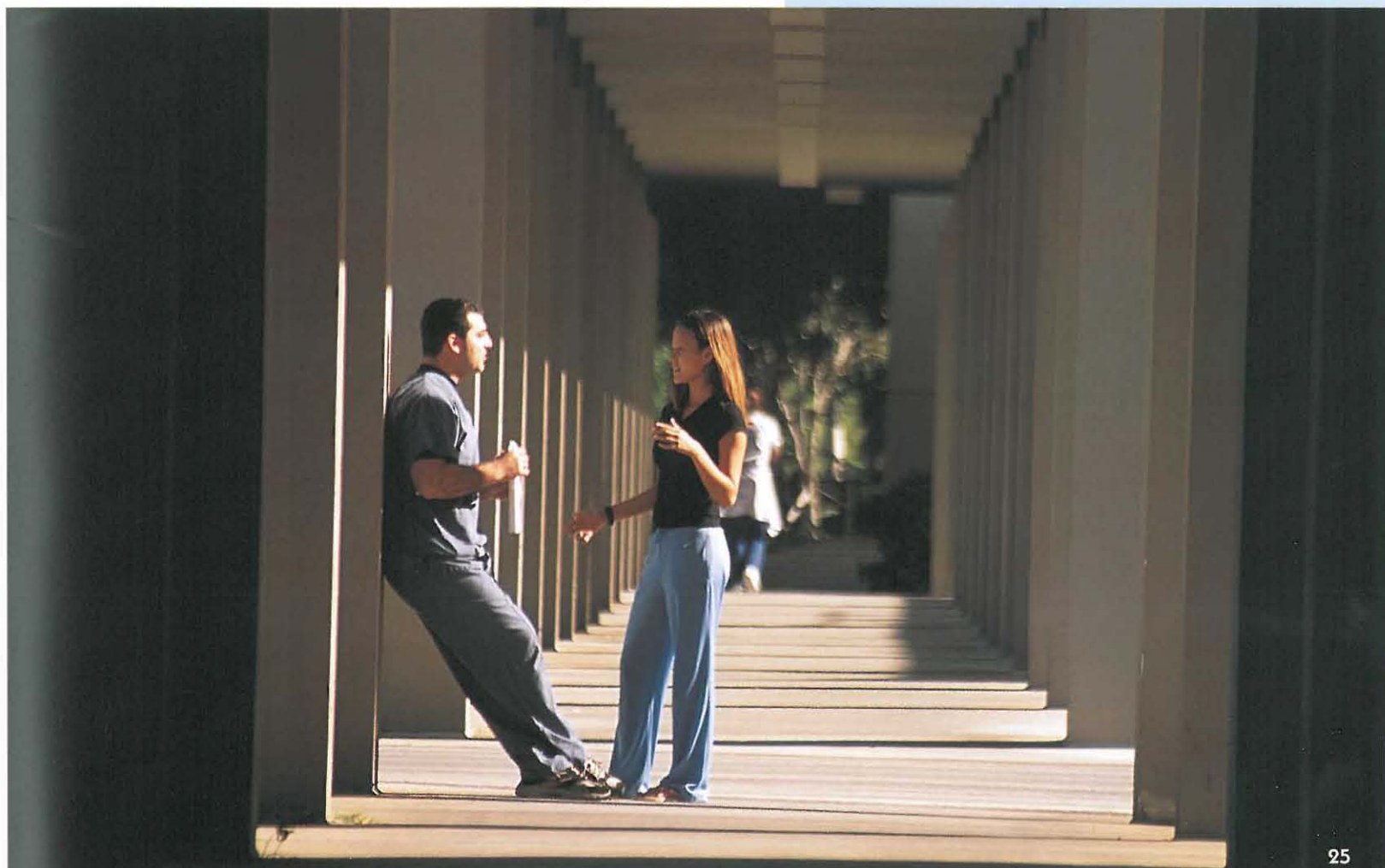
Josef Silny & Associates

7101 SW 102nd Avenue
Miami, Florida 33173
(305) 273-1616 • (305) 273-1338 fax
info@jsilny.com • www.jsilny.com

Educational Credential Evaluators

P.O. Box 514070
Milwaukee, Wisconsin 53203-3470
(414) 289-3400 • www.ece.org

Upon receipt of the completed application and required materials, the Committee on Admissions will review the application and make recommendations to the program director. The director submits recommendations on admission to the dean. The final decision on admission is made by the dean of the College of Osteopathic Medicine.





CORE COURSES

Environmental and Occupational Health
 Biostatistics
 Epidemiology
 Health Policy, Planning, and Management
 Legal and Ethical Issues in Public Health
 Social and Behavioral Sciences Applied to Health
 Public Health Field Experience
 Research Methods in Public Health

ELECTIVE COURSES

Health Promotion and Disease Prevention
 Public Health Grant Writing
 Public Health Seminar
 Introduction to Public Health
 Community Service Experience
 Culture, Ethnicity, and Health
 Public Health Issues of the Elderly
 Weapons of Mass Destruction and Bioterrorism
 Public Health Communication
 Genetics in Public Health
 Global Health
 Epidemiology of Diseases of Major Public Health Importance
 School Health
 Children's Health
 Women's Health
 Maternal and Child Health
 Public Health Nutrition
 Public Health Informatics
 Epidemiologic Surveillance and Outbreak Investigation
 Public Health Advocacy
 Disaster Management
 Survey Methods in Public Health
 Special Studies in Public Health
 Community Health Project
 Health Care Organization and Administrations
 Health Service Planning and Evaluation
 Tropical Diseases
 Budgeting and Accounting for Health Care Organizations
 Strategic Marketing for Health Care Organizations
 Strategic Leadership in Management of Human Resources

public health courses

recommended program schedule

full-time (two years)

YEAR 1 FALL

Epidemiology	3 credits
Social and Behavioral Sciences Applied to Health ...	3 credits
Elective	3 credits

YEAR 1 WINTER

Biostatistics	3 credits
Environmental and Occupational Health.....	3 credits
Elective	3 credits

YEAR 1 SUMMER

Electives.....	6 credits
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YEAR 2 FALL

Research Methods in Public Health	3 credits
Health Policy, Planning, and Management.....	3 credits
Elective	3 credits

YEAR 2 WINTER

Legal and Ethical Issues in Public Health.....	3 credits
Public Health Field Experience.....	6 credits

A minimum of 42 credit hours (27 core credits and 15 elective credits) are required to complete the M.P.H. degree. Students have up to five years to complete all their requirements for the degree.

part-time (three years)

YEAR 1 FALL

Epidemiology	3 credits
Social and Behavioral Sciences Applied to Health ...	3 credits

YEAR 1 WINTER

Biostatistics	3 credits
Environmental and Occupational Health.....	3 credits

YEAR 1 SUMMER

Elective	3 credits
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YEAR 2 FALL

Research Methods in Public Health	3 credits
Health Policy, Planning, and Management.....	3 credits

YEAR 2 WINTER

Legal and Ethical Issues in Public Health.....	3 credits
Elective	3 credits

YEAR 2 SUMMER

Elective	3 credits
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YEAR 3 FALL

Electives.....	6 credits
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YEAR 3 WINTER

Public Health Field Experience	6 credits
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A minimum of 42 credit hours are required to complete the M.P.H. degree. Students have up to five years to complete all their requirements for the degree.



transfer of credits

Applicants or matriculated students of the NSU-COM M.P.H. Program may petition for transfer of a maximum of 12 credit hours of elective or core courses toward their M.P.H. degree from a regionally accredited graduate program. The core courses must have been taken at a program, school, or college accredited by the Council on Education for Public Health (CEPH).

While enrolled in the M.P.H. Program, any courses taken at another academic program or institution that the student desires to transfer credit from to meet the requirements of this M.P.H. degree program, must have prior approval by the program director.

All courses considered for transfer into the program must have been successfully completed with a grade of "B" (80) or better and must not have been applied to another awarded degree. Transfer course grades are not calculated toward the student's grade point average.

The applicant must submit a written request to the program director, along with the appropriate verification of documents (e.g., official transcripts, syllabi, and catalogs). The curriculum committee will review the documents provided on the petitioned courses for all applications for transfer of credits and will submit recommendations to the program director. The program director makes the final decision. The program does not give course credits for prior work experience.

MASTER OF PUBLIC HEALTH PROGRAM MISSION STATEMENT

To improve the health of the population through education, research, and service, with an emphasis on multicultural and underserved populations.

PROGRAM GOALS

- Education: to provide quality education in public health
- Research: to contribute to the discovery and application of knowledge in public health
- Service: to provide public health leadership and service in the community

Tuition is \$450 per semester hour. Students who concurrently pursue another degree in the Health Professions Division of NSU are charged tuition of \$350 per semester hour. Corporate cluster students are charged tuition of \$350 per semester hour. Tuition and fees are subject to change without notice.

tuition and fees

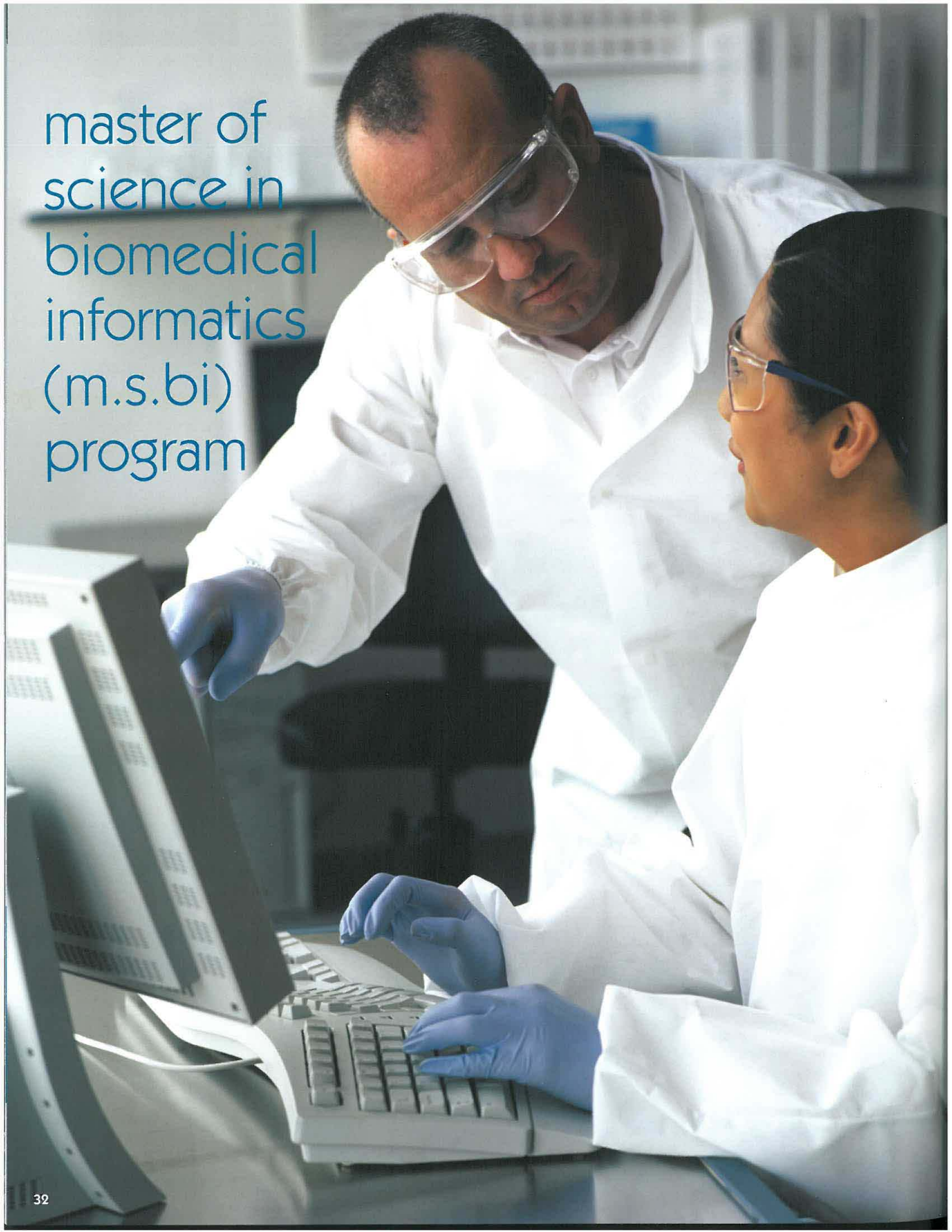
Students should anticipate spending approximately \$670 per year for books and supplies and \$13,900 for living expenses for an academic year.

The purpose of the Student Financial Assistance Program at Nova Southeastern University is to help as many qualified students as possible to complete their educational pursuit. Various loans, scholarships, and grants are available to qualified students to help ease the high cost of education. These financial assistance programs are described in a separate university publication called *The NSU Guide to Student Financial Assistance*.

expenses and financial aid



master of
science in
biomedical
informatics
(m.s.bi)
program



Nova Southeastern University College of Osteopathic Medicine, in collaboration with the NSU Graduate School of Computer and Information Sciences, offers a program leading to the degree of master of science in biomedical informatics (M.S.BI). The program trains future leaders in the development, dissemination, and evaluation of medical information as it relates to the health care environment, which includes hospitals, health care delivery systems, health information technology system vendors, ehealth companies, insurers, pharmaceutical companies, and academic institutions.

This innovative distance program uses a fully online format to enable working professionals to earn a master's degree in biomedical informatics without career disruption. The program is offered via Nova Southeastern University's cutting-edge and Web-based, distance-learning technology.

Biomedical informatics emerged as a discipline due to advances in computer and communications technology and an exponential growth of biomedical knowledge. This growth is accompanied by clinical information that has become unmanageable using traditional paper-based methods.

Biomedical informatics is an interdisciplinary field based on computer information sciences, cognitive decision sciences, epidemiology, telecommunications, and other fields. Researchers in this evolving field will discover new methods and techniques to enhance health care, biomedical research, and education through information technology. Those in the discipline study and encourage the use of appropriate information to support clinical care, research, teaching, and health services information.



admission requirements

The M.S.BI program evaluates the overall quality of its applicants, including academic achievement, personal motivation, knowledge about health care and life experience, and recommendations. Priority will be given to individuals holding a degree in the health professions. Criteria for admissions are as follows:

- accredited bachelor's, master's, or doctoral degree from an accredited institution of higher education
- cumulative grade point average of 3.0 or above on a 4.0 scale (preferred)
- demonstrated background in biomedical sciences by credentials or work experience
- demonstrated competency in the use of computers by credentials or work experience
- the demonstrated ability to express oneself in writing

application procedures

Applicants may apply for matriculation into any one of the four semesters (fall, winter, spring, summer). All of the following must be completed and submitted for your application to be considered.

- online application at <http://medicinenova.edu/msmi/admissions.html> (Payment of a nonrefundable application fee of \$50 is required to complete your application.)
- official transcripts of all undergraduate, graduate, and professional education

The program may require additional documentation to support the application. All application material must be received in a timely manner to enable the Office of Admissions and the Admissions Committee to process the application promptly.

Should you have any questions, please email com@nsu.nova.edu or call 800-262-1101.

Please visit our Web site at <http://medicine.nova.edu/msmi>.



tuition and fees

The M.S.BI Program utilizes a course of study that requires students to enroll in courses offered at various NSU colleges besides the College of Osteopathic Medicine. Tuition is based on per semester hour and is dependent on the college in which the courses are taught. Please see specific college information in regard to cost per semester hour. Tuition is \$475 per semester hour for those courses offered by the M.S.BI Program. A Health Professions Division student access fee of \$145 is required each year. An NSU student service fee of \$750 is also required annually.

expenses and financial aid

Students should anticipate spending approximately \$670 per year for books and supplies and \$13,900 for living expenses for an academic year.

The purpose of the Student Financial Assistance Program at Nova Southeastern University is to help as many qualified students as possible to complete their educational pursuit. Various loans, scholarships, and grants are available to qualified students to help ease the high cost of education. These financial assistance programs are described in a separate university publication called *The NSU Guide to Student Financial Assistance*.

curriculum outline

required courses: (40 credits required)

GRADUATE SCHOOL OF COMPUTER AND INFORMATION SCIENCES

COURSE	CREDITS
Management Information Systems	3
Information Systems	
Project Management	3
Database Systems	3
Information Security	3
Telecommunications and	
Computer Networking	3
System Analysis and Design	3
Decision Support Systems	3
Human-Computer Interaction	3
Subtotal.....	24

COLLEGE OF OSTEOPATHIC MEDICINE

COURSE	CREDITS
Survey of Medical Informatics	3
Epidemiology and Biostatistics	3
Managing Organizational Behavior	3
Medical Informatics	
Applications to Health Services	3
Medical Informatics	
Project/Practicum	4
Subtotal	16

electives (3 credits required)

COURSE	CREDITS
Outcome Research	3
Biostatistics	3
Epidemiology	3
Special Topics in Biomedical Informatics	3
Public Health Informatics	3
Grant Writing in Health Informatics	3
Information Technology Applications	
in Management Decisions	3
Health Policy, Planning, and Management	3
Total	43

1 terry administration building

FIRST FLOOR

- Student Affairs
- Admissions
- Financial Aid
- HPD Cafeteria

SECOND FLOOR

- College of Allied Health and Nursing
 - Audiology Department
 - Health Sciences Department
 - Occupational Therapy Department
 - Physical Therapy Department
 - Physician Assistant Department

THIRD FLOOR

- College of Medical Sciences
- College of Pharmacy

FOURTH FLOOR

- College of Osteopathic Medicine
- College of Optometry

FIFTH FLOOR

- HPD Administration
- Public Health Program
- Nursing Department
- Area Health Education Center

2 assembly building

- Finkelstein Auditorium (125 seats)
- Jonas Auditorium (125 seats)
- Melnick Auditorium (125 seats)
- Resnick Auditorium (125 seats)
- Terry Auditorium (125 seats)
- Auditoria A, B, and C (125 seats each)
- Robert A. Steele Auditorium (500 seats)
- Hull Auditorium (250 seats)
- Seminar Rooms

3 library/laboratory building

FIRST FLOOR

- Drug Information Center
- "Harvey" Cardiac Patient Simulation Room
- HPD Library
- Student Computer Laboratory
- Patient Simulation Center

SECOND FLOOR

- Occupational Therapy Laboratories
- Optometry Laboratories
- Physical Therapy Laboratory
- Student Lounge
- FOMA Osteopathic Manipulative Medicine Laboratory

THIRD FLOOR

- Basic Science Laboratories
- Gross Anatomy Laboratories
- Microscopy Laboratory
- Research Laboratories
- Moran Pharmacy Practice Laboratory
- Pharmacokinetics Laboratory
- Pharmaceutics Laboratory

pharmacy and pharmaceutical care center

sanford I. ziff health care center

FIRST FLOOR

- Family Medicine
- Occupational Therapy
- Pediatrics
- Dermatology
- Physical Therapy
- Radiology

SECOND FLOOR

- Optometry Clinics
- Optometry Dispensary

THIRD FLOOR

- Business Offices
- Specialty Clinics
 - Cardiology
 - Internal Medicine
 - Osteopathic Manipulative Medicine
 - Pulmonary Medicine
- Emergency Medicine Training Center



dental medicine building

FIRST FLOOR

- Oral Medicine and Radiology Clinic
- Oral Surgery Clinic
- Student Dental Clinic
- Clinic Support Laboratory
- Predoctoral and Postgraduate Oral Surgery

SECOND FLOOR

- Faculty Practice
- Simulation Lab
- Postgraduate Endodontics
- Postgraduate Orthodontics
- Postgraduate Pediatric Dentistry
- Postgraduate Periodontics
- Postgraduate Prosthodontics

THIRD FLOOR

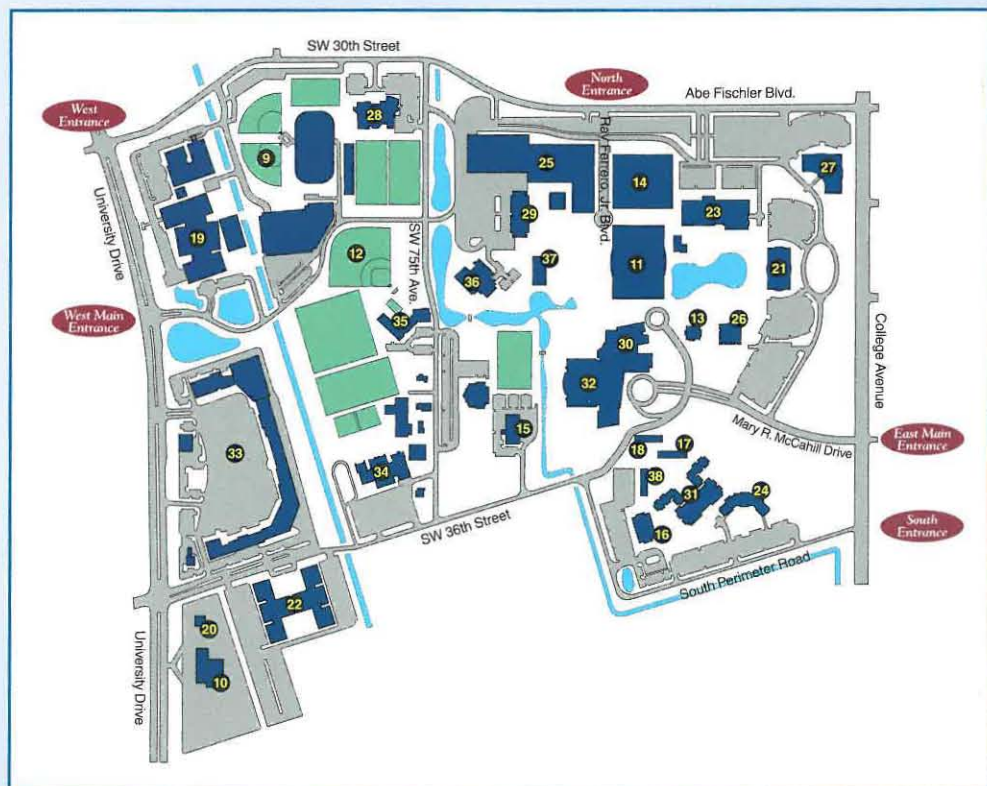
- Auditorium
- Seminar Rooms
- Central Sterilization Area
- Dispensing
- Faculty Offices
- Student Dental Supply Depot

parking garage

hpd assembly building

- Auditorium
- Computer Science Laboratory
- Seminar Rooms
- Physical Assessment Laboratory
- Compliance Office

A.D. Griffin Sports Complex with Lighted Softball Fields	9
Administrative Services Center	10
Alvin Sherman Library, Research, and Information Technology Center	11
Athletics Field	12
Athletics and Student Affairs Building	13
Carl DeSantis Building	14
Central Services Building	15
Cultural Living Center	16
Farquhar Residence Hall	17
Founders Residence Hall	18
Health Professions Division Complex	19
Hearing and Balance Clinic	20
Horvitz Administration Building	21
Jim & Jan Moran Family Center Village	22
Leo Goodwin Sr. Hall	23
Leo Goodwin Sr. Residence Hall	24
Library and Main Student Parking Garage	25
Mailman-Hollywood Building	26
Maltz Psychology Building	27
Miami Dolphins Training Facility	28
Parker Building	29
Rosenthal Student Center	30
The Commons Residence Hall	31
University Center with RecPlex	32
University Park Plaza	33
University School Lower School	34
University School Middle School (Dauer Building)	35
University School Upper (Sonken Building)	36
University School (Sonken Building East)	37
Vettel Residence Hall	38





NOVA SOUTHEASTERN UNIVERSITY
Health Professions Division
3200 South University Drive
Fort Lauderdale, Florida 33328-2018

Office of Admissions
(954) 262-1101 • 800-356-0026, ext. 1101
www.nova.edu